

GAATTCGGCACGAGGGCAGACCTTTAGTGAGCACACTTCACTCTGGAACAAAGCTACTGG
GCTTCTCTTCTGATGCCATGGATGATGGGCATCAAGAGTCAGCTCTGTACGATGGGCACT
ACGAGGGAGATTTCTGGCTCTTCAACAATTCAGTGATAACAGCCAGGAGAACAAACGCT
TCCTAAAGTTCAAGGAGGTCTTTTTGCCCTGTGTGTACCTGGTAGTGTGTTGTCTTTGGAC
TGCTAGGAAACTCCCTGGTTCTGATTATATACATTTTCTACCAGAAGCTGAGGACTCTGA
CAGATGTGTTTTCTGCTGAACCTTGCCCCTGGCTGACCTGGTGTTTGTCTGTACTCTGCCCT
TTTGGGCCTATGCAGGCACCTATGAGTGGGTCTTTGGCACAGTCATGTGCAAACTCTTC
GAGGCATGTATACAATGAACTTCTACGTGTCCATGCTCACTCTCACCTGCATCACAGTGG
ATCGTTTCATTGTAGTGGTCCAGGCTACCAAGGCCTTCAACCGGCAGGCTAAGTGAAGA
TCTGGGGCCAAGTCATTTGCTTGCTCATTTGGGTGGTCTCCCTGTTGGTTTCTTTGCCAC
AGATCATCTATGGCCATGTTCAAGATATTGACAAGCTTATCTGTCAGTACCACAGTGAGG
AGATATCCACTATGGTTCTTGTTATACAGATGACTCTGGGGTTCTTCCTGCCATTGCTCA
CTATGATTCTGTGCTACTCAGGCATTATCAAGACCTTGCTTCATGCTCGAACTTCCAGA
AGCACAAATCTCTAAAGATCATCTTCCTTGTAAGTGGCTGTGTTCCCTGCTGACCCAGACAC
CCTTCAACCTTGCCATGTTAATCCAAAGTACAAGCTGGGAGTACTATAACCATAACCAGCT
TTAAGTATGCCATCGTAGTGACAGAGGCTATAGCATACTTTCGGGCTTGCCTTAACCCTG
TACTTTATGCCTTTGTTGGCTTAAAGTTCCGGAAGAACGTCTGGAACTTATGAAGGATA
TCGGCTGCCTCTCTCACCTGGGAGTCTCAAGTCAATGGAAGTCTTCTGAGGACAGTTCCA
AGACTTGTCTGCCTCCCAATGTAGAGACCACCAGTATGTTCCAATTGTAGTAGGCCT
TGCCACACTTAGAGAAGTTAATAACAGAATTCTAGGAGCATGGCTGTATCATTTGGATGC
AACAAGAAAAGCTTTGCTTATAGCATGTGGAGTATCATGGAGAAGCCTGAC (SEQ ID NO:1)

FIGURE 1

MDDGHQESALYDGHYEGDFWLFNNSDNSQENKRFLKFKEVFLPCVYLVVFVFGLLGN
SLVLIIFYFYQKLRTLTDVFLNLPLADLVFVCTLPFWAYAGTYEWVFGTVMCKTLRGM
YTMNIFYVSMLTLCITVDRFIVVVQATKAFNRQAKWKIWGQVICLLIWVVSLLVSLPQII
YGHVQDIDKLCQYHSEEISTMVLVIQMTLGFFLPLLTMILCYSGIIKTLLHARNFQKHKS
LKIIFLVVAVFLLTQTPFNLAMLIQSTSWEYYTITSFKYAIVVTEALAYFRACLPVLYAFV
GLKFRKNVWKLMDIGCLSHLGVSSQWKSSDSSKTCASHNVETTSMFQL (SEQ ID
NO:2)

FIGURE 2

BOLD = deleted in targeting construct

UNDERLINED = sequence flanking Neo insert in targeting construct

GAATTTCGGCACGAGGGCAGACCTTTAGTGAGCACACTTCACTCTGGAACAAAGCTACTGG
GCTTCTCTTCTGATGCCATGGATGATGGGCATCAAGAGTCAGCTCTGTACGATGGGCACT
ACGAGGGAGATTTCTGGCTCTTCAACAATTCCAGTGATAACAGCCAGGAGAACAAACGCT
TCCTAAAGTTCAAGGAGGTCTTTTGGCCCTGTGTGTACCTGGTAGTGTGTGTCTTTGGAC
TGCTAGGAAACTCCCTGGTTCTGATTATATACATTTTCTACCAGAAGCTGAGGACTCTGA
CAGATGTGTCTTCTGCTGAACCTTGCCCTGGCTGACCTGGTGTGTGTCTGTACTCTGCCCT
TTTGGGCCTATGCAGGCACCTATGAGTGGGTCTTTGGCACAGTCATGTGCAAAACTCTTC
GAGGCATGTATACAATGAACCTTCTACGTGTCCATGCTCACTCTCACCTGCATCACAGTGG
ATCGTTTCATTGTAGTGGTCCAGGCTACCAAGGCCCTTCAACCGGCAGGCTAAGTGGAAGA
TCTGGGGCCAAGTCATTTGCTTGCTCATTTGGGTGGTCTCCCTGTTGGTTTCTTTGCCAC
AGATCATCTATGGCCATGTTCAAGATATTGACAAGCTTATCTGTCAGTACCACAGTGAGG
AGATATCCACTATGGTCTTGTATACAGATGACTCTGGGGTTCTTCCTGCCATTGCTCA
CTATGATTCTGTGCTACTCAGGCATTATCAAGACCTTGCTTCATGCTCGAAACTTCCAGA
AGCACAAATCTCTAAAGATCATCTTCCTTGTAGTGGCTGTGTTCCTGCTGACCCAGACAC
CCTTCAACCTTGCCATGTTAATCCAAAGTACAAGCTGGGAGTACTATAACCATAACCAGCT
TTAAGTATGCCATCGTAGTGACAGAGGCTATAGCATACTTTCGGGCTTGCCCTTAACCTG
TACTTTATGCCCTTTGTTGGCTTAAAGTTCCGGAAGAACGTCTGGAAACTTATGAAGGATA
TCGGCTGCCTCTCTCACCTGGGAGTCTCAAGTCAATGGAAGTCTTCTGAGGACAGTTCCA
AGACTTGTTCTGCCTCCCACAATGTAGAGACCACCAGTATGTTCCAATTGTAGTAGGCCT
TGCCACACTTAGAGAAGTTAATAACAGAATTCTAGGAGCATGGCTGTATCATTTGGATGC
AACAAAGAAAAGCTTTGCTTATAGCATGTGGAGTATCATGGAGAAGCCTGAC
(SEQ ID NO:1)

FIGURE 3

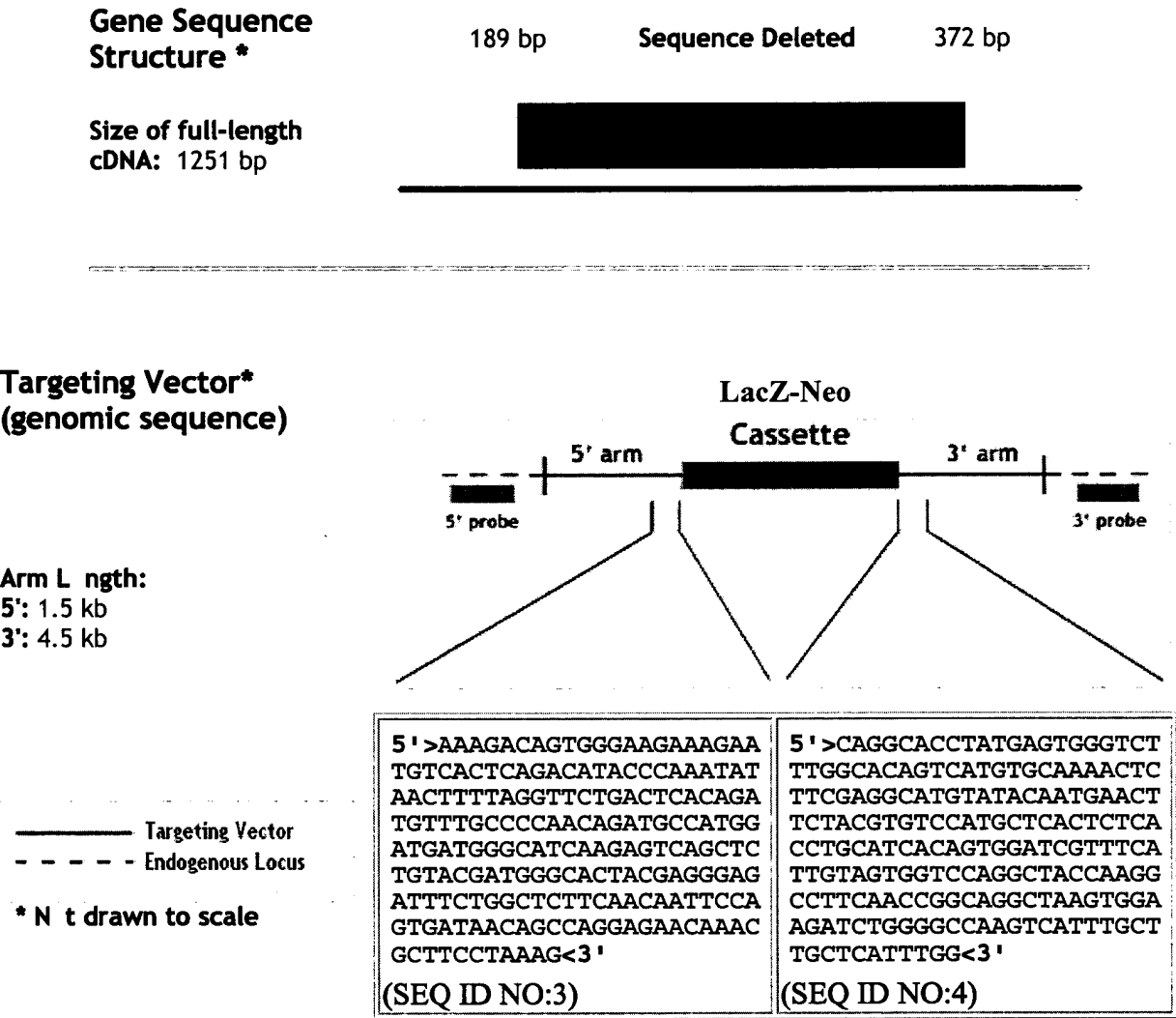


FIGURE 4